

Amendments to the Claims

The following listing of claims is to replace all prior versions and listings of claims in this application.

Claims 1-38. (Canceled)

Claim 39. (Currently amended) A catalyst composition for treating a diesel engine exhaust stream containing gaseous hydrocarbons and a volatile organic fraction comprises a refractory carrier on which is disposed a coating of a catalytic material comprising: bulk ceria having a BET surface area of at least about 10 m²/g, Beta zeolite, the Beta zeolite optionally being doped with a catalytic moiety selected from the group consisting of hydrogen and catalytically active metal cations, with the provisos that (i) iron-doped Beta zeolite is excluded, and (ii) a catalytic metal selected from the group consisting of platinum and palladium is present in the composition.

Claim 40. (Previously presented) The catalyst composition of claim 39 further including bulk alumina having a BET surface area of at least about 10 m²/g.

Claim 41. (Previously presented) The catalyst composition of claim 39 wherein the zeolite comprises a three-dimensional zeolite characterized by pore openings whose smallest cross-sectional dimension is at least about five Angstroms and having a silicon to aluminum atomic ratio of greater than 5.

Claim 42. (Previously presented) The catalyst composition of claim 39 wherein the zeolite is doped with a catalytic metal selected from the group consisting of platinum and palladium.

Claim 43. (Currently amended) ~~The composition of claim 39 wherein the zeolite is~~
A catalyst composition for treating a diesel engine exhaust stream containing gaseous hydrocarbons and a volatile organic fraction comprises a refractory carrier on which is disposed a coating of a catalytic material comprising: (i) bulk ceria having a BET surface area of at least about 10 m²/g, (ii) Beta zeolite, the Beta zeolite optionally being doped with a

catalytic moiety selected from the group consisting of one or more of hydrogen, platinum, rhodium, palladium, ruthenium, osmium, iridium, copper, nickel, chromium and vanadium, and (iii) a catalytic metal selected from the group consisting of platinum and palladium.

Claim 44. (Previously presented) The catalyst composition of claim 41, claim 42 or claim 43 further including bulk alumina having a BET surface area of at least about 10 m²/g.

Claim 45. (Previously presented) The catalyst composition of claim 44 wherein the zeolite comprises from about 10 to 90 percent by weight, the alumina comprises from about 60 to 5 percent by weight, and the ceria comprises from about 60 to 5 percent by weight, of the combined weight of the zeolite, the alumina and the ceria.

Claim 46. (Previously presented) The catalyst composition of claim 44 wherein the zeolite comprises from about 20 to 70 percent by weight, the alumina comprises from about 50 to 20 percent by weight, and the ceria comprises from about 50 to 20 percent by weight, of the combined weight of the zeolite, the alumina and the ceria.

Claim 47. (Previously presented) The composition of claim 39 wherein the Beta zeolite is hydrogen-doped Beta zeolite.

Claim 48. (Previously presented) The composition of claim 39 wherein at least one catalytic metal moiety selected from the group consisting of from about 0.1 to 60 g/ft³ platinum and from about 0.1 to 200 g/ft³ palladium is dispersed on the ceria, and wherein there is 10 to 90 percent by weight of zeolite.

Claim 49. (Previously presented) The composition of claim 39 wherein the zeolite is characterized by pore openings whose smallest cross-sectional diameter is at least about five Angstroms.

Claim 50. (Previously presented) The catalyst composition of claim 39, claim 40 or claim 41 wherein the zeolite is doped with platinum.

Claim 51. (Previously presented) The catalyst composition of claim 50 wherein the zeolite is doped by ion-exchanging the zeolite with cationic platinum.

Claim 52. (Previously presented) The catalyst composition of claim 50 wherein the refractory carrier has a plurality of parallel exhaust flow passages extending therethrough and defined by passage walls on which the catalytic material is coated, wherein platinum is present in a quantity sufficient to provide from about 0.1 to 60 g/ft³ of platinum.

Claim 53. (Previously presented) The catalyst composition of claim 52 wherein the platinum is present in an amount of from about 5 to 60 g/ft³.

Claim 54. (Previously presented) The catalyst composition of claim 52 where the platinum is present in the amount of from about 0.1 to 5 g/ft³.

Claim 55. (Previously presented) The catalyst composition of claim 44 wherein the zeolite is disposed in a discrete layer which is overlain by one or more discrete layers containing the alumina and the ceria.

Claim 56. (Previously presented) The catalyst composition of claim 44 wherein the refractory carrier has a plurality of parallel exhaust flow passages extending therethrough and defined by passage walls on which the catalytic material is coated, and the ceria and alumina each has a BET surface area of from about 25 m²/g to 200 m²/g.

Claim 57. (Previously presented) The catalyst composition of claim 39, claim 40 or claim 41 wherein the refractory carrier has a plurality of parallel exhaust flow passages extending therethrough and defined by passage walls on which the catalytic material is coated, and comprising dispersed palladium carried on the catalytic material in a quantity of from about 0.1 to 200 g/ft³.

Claim 58. (Previously presented) The catalyst composition of claim 57 wherein the dispersed palladium is present in an amount of from about 20 to 120 g/ft³.

Claims 59-70. (Canceled)

71. (Currently amended) A catalyst composition for treating a diesel engine exhaust stream containing gaseous hydrocarbons and a volatile organic fraction comprises (a) a refractory carrier, and (b) a coating of a catalytic material disposed on the carrier, wherein the carrier is inert relative to the catalytic material with respect to promoting reactions promoted by the catalytic material, the catalytic material consisting essentially of bulk ceria having a BET surface area of at least about 10 m²/g, and Beta zeolite, the Beta zeolite optionally being doped with a catalytic moiety ~~cation~~ selected from the group consisting of one or more of hydrogen and catalytically active metal cations, ~~a catalytic moiety~~, with the provisos that (i) ~~iron-doped Beta zeolite~~ is excluded from the group of catalytically active metal cations, and (ii) a catalytic metal selected from the group consisting of platinum and palladium is present in the composition.